

New Breakwater Development

:: Wavegen has developed small power take-off modules for incorporating into breakwaters, coastal defences, land reclamation schemes and harbour walls.

The 18.5kW power modules consist of a Wells turbine, valve and noise attenuator. The complete modules weigh less than a tonne so installation or removal is easily achievable using a small mobile crane. The modules are very simple and rugged: the blades are fixed onto the rotor, have no pitching mechanism, no gearbox and have no contact with seawater.

These turbines are the fifth generation of Wells turbines and incorporate all the learning and cost reduction experience from previous designs and operational experience gained from the Limpet plant.

Wavegen is currently in discussion with a number of European port authorities interested in installing this technology.



small turbine being installed on Limpet for testing.